

30V-109-3-5-6/27

Theory of the Detection of Periodic Signals in Gaussian Noise during Non-Coherent Storage

detector, P_w for $N > 8$ can be expressed by Eqs.(19) while P_c is in the form of Eq.(20). For $N = 2$ it is possible to find an exact expression for P_w ; the relationship between P_c and P_w for this case is shown graphically in Fig.2. Further results of the analysis are represented graphically in Figs.2 and 3; Fig.2 represents the relationship between the signal/noise ratio and the number of pulses N for $P_c = 0.5$ and $P_w = 10^{-10}$; Fig.3 gives the dependence between N and the signal/noise ratio for $P_c = 0.9$ and $P_w = 10^{-7}$; the full curves relate to the linear detector while the dashed curves refer to the receiver fitted with a square detector. From the above it is concluded that the minimum detectable signal is almost independent of the

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SOV-109-3-6-6/27

Theory of the Detection of Periodic Signals in Gaussian Noise during Non-Coherent Storage

type of detection (square or linear). The paper contains 3 figures, 1 table and 5 references, 4 of which are English and 1 Soviet.

SUBMITTED: February 5, 1957

1. Radio signals - Theory
2. Noise (Radio) - Theory
3. Radio receivers - Performance
4. Mathematics - Applications

Card 5/5

201000 200000
BLOKHA, Yevgeniy Yevtikhiyevich; POLYAK, Zakhar Il'ich; RASHKOVSKIY,
Yakov Zakharovich; BUTKEVICH, F.V., *otvetstvennyy* redaktor;
SLAVCHOSOV, A.Kh., redaktor izdatel'stva; KOROVENKOVA, Z.A.,
tekhnicheskii redaktor

[Mine surveying] Markshaiderskoe delo. Moskva, Ugletekhizdat,
1956. 671 p. (MIRA 10:4)

(Mine surveying)

POLYAK, Z. I.

The subsidence of rocks in the Moscow Coal Basin. Moskva, Ugletekhizdat, 1947. 110 p.
(49-14417)

GB488.79.P65

POLYAK, Z.I.

POLYAK, Z.I., kandidat tekhnicheskikh nauk; KAZAK, V.N., inzhener;
BARYSHEVA, M.I.

Some problems pertaining to rock displacement in the Moscow Basin.
Trudy VNIMI no.26:119-137 '52. (MLRA 8:3)
(Moscow Basin--Subsidences (Earth movements))

POBYAN, Z. I.

Moscow Basin Mining Engineering

Results of investigating displacement of rocks in the Moscow Basin, *Trudy VNIIM*, 22, 1950.

9. Monthly List of Russian Accessions, Library of Congress, October 195²₈, Uncl.

POLYAKOVICH, V.G.

TEREKHOV, A.P.; POLYAKOVICH, V.G.; ZILARNITSKIY, M.I., inzhener, retsenzent;
GOLOVIN, S.Ya., inzhener, redaktor; MATVEYKVA, L.S., redaktor;
UVAROVA, A.F., tekhnicheskij redaktor.

[Planetary reducing gears with friction drive and ball bearings]
Sharikovye planetarno-friktsionnye reduktory. Moskva, Gos.nauchno-
tekhn.izd-vo mashinostroitel'noi lit-ry, 1955. 83 p.(MLRA 8:10)
(Gearing)

GRIGOR'YEV, Aleksey Nikolayevich; ASLAMAZOV, Gevork Mikaelovich; KUZ'MIN,
Sergey Pavlovich. Prinimal uchastiye: POLYAKH, B.S.. SARANTSEV,
Yu.S., red.; KHITROV, P.A., tekhn.red.

[Railroad tank cars; design, operation, and maintenance] Zhelezno-
dorozhnye tsisterny; ustroistvo, ekspluatatsiya i remont. Moskva,
Gos.transp.zhel-dor.izd-vo, 1959. 214 p. (MIRA 12:12)
(Tank cars)

MARKMAN, David Yefimovich; POLYAKH, V.A., otv.red.; CHASOVIKOVA, Z.I.,
tekhn.red.

[World record in mining set with the "Donbas" cutter-loader in
mine No.37] Mirovoi rekord dobychi uгля kombinom "Donbass"
na shakhte no.37. Alma-Ata, TSentr.in-t nauchno-tekhn.informatsii,
1959. 10 p. (MIRA 13:9)
(Karaganda Basin--Coal mines and mining)

VARAKSIN, Vadim Nikolayevich; SHILKIN, Petr Ivanovich; ZYRYANOV,
Timofey Pavlovich; KOROGOD, Grigoriy Alekseyevich;
MIL'CHENKO, Dmitriy Vladimirovich; POLYAKH, V.A., otv.
red.; VUROS, R.F., red.; UTEPOV, Zh.K., tekhn. red.

[Rod bolting in the Rudnyy Altai] Shtangovaia krep' na
Rudnom. Altae. Alma-Ata, TSentr. in-t nauchn.-tekhn.
informatsii, 1960. 19 p. (MIRA 17:2)

Pol'yakov, N.N.
POLYAKHOV, N.N.

K teorii grebnogo vinta. Moskva, 1935. 32 p., diagrs. (TSAGI. Trudy, no. 134)

SUMMARY IN ENGLISH

Title tr.: Contribution to the propeller theory.

QA911.M65 no.184

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of Congress, 1955.

ПОЛЯКОВ, Н.Н.

Teoriia vinta s konechnym chislom lopastei. Moskva, 1937. 48 p., diagrs.
(TSAGI. Trudy, no.324)

Summary in English.

Title tr.: Theory of a propeller with a finite number of blades.

QA911.M65 no.324

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of Congress,
1955

POLYAKHOV, N.N.; SEMERZH-ZEN'KOVICH, Ya.I.; SMIRNOV, V.I.; FINIKOV, S.P.

Leonid Nikolaevich Sretenskii; on his 60th birthday. Usp.mat.
nauk 18 no.1:191-204 Ja-F '63. (MIRA 16:2)
(Sretenskii, Leonid Nikolaevich, 1902-)

VALLANDER, S. V.; LINNIK, Yu. V.; PETRASHEN', G. I.; POLYAKHOV, N. N.;
SMIRNOV, V. I.; PADDEYEV, D. K.

Aleksandr Danilovich Aleksandrov; on his 50th birthday. Vest.
LGU 18 no.1:7-9 '63. (MIRA 16:1)

(Aleksandrov, Aleksandr Danilovich, 1912-)

POLYAKHOV, N.N.

O naivygodneishem vinte. Moskva, 1939. 30 p., tables, diags. (TSAGI.
Trudy, no 455)

Title tr.: The minimum loss of energy propeller.

DNACA

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of Congress,
1955

Vetchinkin, Vladimir Petrovich, and N.N. POLYAKHOV

Teoriia i raschet vozdušnogo grebnogo vinta. Moskva, 1939. 221 p., illus., tables, diagrs. (TSAGI. Trudy, no. 366)

Bibliography at end of chapters and in footnotes.

Title tr.: Theory and design of pusher propellers.

QA911.M65 no.366

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of Congress.
1955

L'VOVICH, Aleksandr Yur'yevich; POIYAKHOV, N.R., otr. len.;
MATVEYEVA, V.V., red.

[Statics; methodological instructions no.1 in the course
of theoretical mechanics for second-year students] Statika;
metodicheskie ukazaniya no.1 po kursu teoreticheskoi me-
khaniki dlia studentov II kursa. Leningrad, 1964. 20 p.
(MIRA 17:7)

L. Leningrad. Universitet. Otdel zaachnogo obucheniya. Ma-
tematiko-mekhanicheskii fakul'tet.

POLYAKOV, N. N.

POLYAKOV, N. N.

The minimum energy loss propeller. Washington, 1945. 37 p., plates
(U.S. NACA TM no. 1067)

Trans. of O naivyygodneishem vintse.

TL507.U57 no. 1067

So: Aeronautical Sciences and Aviation in the Soviet Union, Library of
Congress, 1955

POLYAKHOV, N. N. (Docent) Dr. Tech. Sci.

Dissertation: "Vortex Theory of Propeller with a Finite Number of Blades." Military
Aeronautical Engineering Academy, imeni Prof. N. Ye. Zhukovskiy, 24 Dec 47.

SO: Vechernyaya Moskva, Dec, 1947 (Project #17836)

ВЕЧИНКИН, В. В.

Propellers, Aerial

V. P. Vetchinkin's studies of the theory and calculation of screw propellers and wind motors.
Izv. AN SSSR Otd. tekhn. nauk no. 5, May 1952.

Monthly List of Russian Accessions, Library of Congress, November 1952. UNCLASSIFIED.

POLYAKHOV, N. N.

231T93

USSR/Physics - Hydrodynamics of Grid Circulation 11 May 52

"The Circulation Around Grid (Lattices) of Solid Profiles of Given Form," N. N. Polyakhov

"Dok Ak Nauk SSSR" Vol 84, No 2, pp 233-236

Gives a method of computing the grid of profiles of given form and loss, which method is applicable equally for any density (viscosity) q . States that at the basis of this method is the conformal reflection (representation) of a lattice of certain "ovals" with

231T93

"loss" $\pi/2$ to the given lattice. Notes that subject problem was solved by S. V. Vallander by another method (see "Dok Ak Nauk SSSR" Vol 82, No 3, 345, 1952). Submitted by Acad V. I. Smirnov 28 Feb 52.

231T93

POLYAKHOV, N. N.

PA 240T91

USSR/Physics - Hydrodynamics

21 Dec 52

"Distribution of Pressure on the Surface of a Profile
Moving Nonstationarily," N. N. Polyakhov

"DAN SSSR" Vol 87, No 6, pp 901-904

Considers a certain two-dimensional figure (body) moving in an ideal incompressible fluid; the figure has a forward velocity of V and angular velocity w , in consequence of which a velocity field of certain potential is induced in the field. Sets up differential eqs and carries out suitable conformal representations to obtain subject pressure. Presented by Acad V. I. Smirnov 27 Oct 52.

240T91

POLYAKHOV, N.N.

V.P.Vetchinkin's contributions to the theory and calculation of screw
propellers and wind motors. Trudy po 1st.tekh. no.4:52-58 '54.(MLRA 7:9)
(Vetchinkin, Vladimir Petrovich, 1888-1950) (Windmills) (Propellers,
Aerial)

ZHUCHENKO, Mikhail Melet'yevich; IVANOV, Vasilii Mikhaylovich; ~~POLYAKHOV~~,
~~N.N.~~ professor, otvetstvennyy redaktor; OSVENSKAYA, A.A., redaktor
KAMOLOVA, V.M., tekhnicheskiiy redaktor

[Marine engines] Sudovye dvizhiteli. Pos obshchei red. N.N.Poliakhova.
Leningrad, Gos. soiusnoe izd-vo sudostroit. promyshl., 1956. 343 p.
(Marine engines) (MLRA 10:1)

POLYAKHOV, N. N.

✓ Polyakov, N. N. The theory of a grid of plates according to N. E. Zhukovskii and its generalization to the case of an arbitrary profile. Vestnik Leningrad. Univ. 11 (1956), no. 1, 125-144. (Russian)

Let $V^*(\zeta) = u - iv$ be the easily constructed conjugate complex velocity for steady incompressible flow without circulation in the $\zeta = \xi + i\eta$ plane at angle of attack β about a grid G of plates $|\xi| \leq a, \eta = inl, n = 0, \pm 1, \pm 2, \dots$. N. E. Zhukovskii has observed that for properly chosen constant of integration the complex potential $z = x + iy = \int V^*(\zeta) d\zeta$ has the property $z(\zeta + it) = z(\zeta) + ite^{-i\beta}$. According to $z = z(\zeta)$ maps G onto another grid G' of plates with spacing l and stagger β . The author develops a theory for flows through grids of more general profiles by appealing to various analogs of methods used to map an isolated plate or circle onto an isolated profile. For example, $z_1 = \zeta_0 + \sum_{n=1}^{\infty} (a_n + ib_n) f_1^{-n}$, where $f_1(\zeta_0) = ih(\pi\zeta_0/le^{i\beta}) = |f_1|e^{i\theta}$ maps a grid of ovals $|f_1(\zeta_0)| = A$ (or $\zeta_0 = \zeta_0(\theta, \beta, A)$) with spacing l and stagger β onto a grid of plates in the z plane with the same spacing and stagger if a_n and b_n are determined by $\eta_0(\theta, \beta, A) + \sum_{n=1}^{\infty} (b_n \cos n\theta - a_n \sin n\theta) A^{-n} = 0$. More generally, a grid of ovals $|f_1| = A$ is mapped onto a grid of thin profiles by

$$\tilde{z} = \tilde{x} + i\tilde{y} = z_1 + \sum (A_n + iB_n) f_1^{-n}$$

for the z_1 defined above. The author describes an iterative

Pol'yakov, N. N.

procedure to determine A_n , B_n approximately for prescribed grid profiles. He also sketches a method to extend this to the case of thick, strongly curved profiles. Once a grid of plates has been mapped onto approximately the desired grid, the corresponding velocity distribution for flow with circulation can be found by straightforward calculations.

J. H. Giese (Aberdeen, Md.)

2/2

POLYAKOV, N. N.

✓ Polyakov, N. N. On induced forces in unsteady motion of a wing profile. Vestnik Leningrad. Univ. 11 (1956), no. 7, 87-93. (Russian)

Let x, y coordinate axes be rigidly attached to a thick airfoil k which moves through an incompressible fluid with instantaneous translatory velocity $u_0(t), v_0(t)$ and angular velocity $\omega(t)$. The velocity potential function

$\Phi(x, y, t) =$

$$u_0\Phi_1(x, y) + v_0\Phi_2(x, y) + \omega\Phi_3(x, y) + (\Gamma/2\pi)\Phi_4(x, y) + \Phi_5(x, y, t),$$

where Φ_5 is the velocity potential due to the trailing vortex sheet CD and $\Gamma(t)$ is the circulation about k . The force on k is

$$R^* = -i\rho\Gamma(u_0 - iv_0) - \rho\omega \int_k z d\Phi + \frac{1}{2}i\rho \int_k (u - iv)^2 dz + i\rho \int_k (\partial\Phi/\partial t) d\bar{z},$$

where $z = x + iy$ and $\bar{z} = x - iy$. By considering a region bounded externally by a circle of large radius and internally by k and CD the author shows that

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1-F/W

Polyakov, H. N.

$$I_1 = \int_k (u - iv)^2 dz =$$

$$= \int_{CD} [(u - iv)^2_B - (u - iv)^2_H] dz = -2 \int_{CD} \gamma (u^* - iv^*) ds,$$

where subscripts $B(H)$ denote upper (lower) side of CD , γ is the intensity and u^*, v^* is the velocity of the vortex at the point of arc length s on CD . If the bound vortices are on the surface of k with intensity γ_n at the point of arc length s_1 on k the author interprets $\frac{1}{2} \rho I_1$ as an induced force

$$R_i = \frac{1}{2\pi} \int_{CD} \int_k [\gamma \times (\gamma_n \times r_1)] r_1^{-3} ds_1 ds,$$

where the vectors γ and γ_n of magnitudes γ and γ_n are normal to the z -plane and r_1 is the vector $z(s) - z(s_1)$.

J. H. Giese.

2/2

RFA
MT

POLYAKOV, N.N.

POLYAKOV, N.N.

Theory of a harmonically vibrating wing of finite span [with summary
in English]. Vest. LGU no.19:87-97 '57. (MIRA 11:1)
(Airfoils)

OSTROGRADSKIY, Mikhail Vasil'yevich; SMIRNOV, V.I., akademik, red.;
GNEDENKO, B.V.; MARON, I.A., dotsent; ANTROPOVA, V.I., dotsent;
POGREBYSSKIY, I.B., dotsent; POLYAKHOV, N.N., prof.; REMEZ, Ye.Ya.,
prof.; SMIRNOV, V.I., akademik; FIKHTENGOL'TS, G.M., prof.;
TRAVIN, N.V., red.izd-va; PEVZNER, P.S., tekhn.red.

[Selected works] Izbrannyye trudy. Red. V.I. Smirnova. Stat'ia
B.V. Gnedenko i I.A. Marona. Priimechania V.I. Antropovoi i dr.
Izd-vo Akad.nauk SSSR, 1958. 583 p. (MIRA 11:12)

1. Deystvitel'nyy chlen AN Ukrainskoy SSR (for Gnedenko).
(Calculus) (Mathematical physics) (Mechanics)

VETCHINKIN, Vladimir Petrovich; ZVOLINSKIY, N.V., otv.red.; POLYAKHOV,
N.M., otv.red.; SHAPOVALOV, I.K., red.izd-va; POLENOVA, T.P.,
tekhn.red.

[Selected works] Izbrannye trudy. Moskva, Izd-vo Akad.nauk
SSSR. Vol.2. [Screw propellers: Strength of airplanes]
Grebnye vinty. Prochnost' samoleta. 1959. 431 p. (MIRA 12:7)
(Propellers, Aerial) (Airplanes--Design and construction)

16(1), 10(2), 10(6)

AUTHORS: Polyakhov, N.N., and Pastukhov, A.I.

SOV/43-59-13-10/16

TITLE: The Theory of the Lifting Surface of the Rectangular Form

PERIODICAL: Vestnik Leningradskogo universiteta, Seriya matematiki, mekhaniki i astronomii, 1959, Nr 13(3), pp 93-110 (USSR)

ABSTRACT: The vortex method due to Birnbaum and Glauert is extended to wings of a finite span. In the case of a constant circulation and a plate rectangular in plan form the problem leads to the integral equation

$$\frac{K^*}{2\pi} \int_{-a}^{+a} \frac{\Gamma(x) dx}{x'-x} = V_{\infty} \sin \alpha - V_1 (1 + K_1^*).$$

Here V_1 is the velocity induced by vortices carried away in agreement with the lifting line theory, K^* , K_1^* are constants depending on the coordinates x, z and the aspect ratio, α is the angle of incidence. The authors give explicit solutions for $\Gamma(x)$ and the circulation Γ . If $\Gamma \neq \text{const}$, then, under certain assumptions, Γ satisfies the integro-differential equation

Card 1/2

The Theory of the Lifting Surface of the
Rectangular Form

SOV/43-59-13-10/16

$$\Gamma = \Gamma_{\infty} f_1(\lambda, z') + \frac{f_2(\lambda, z', \alpha)_a}{2} \int_{-L}^L \frac{\partial \Gamma}{\partial z} \cdot \frac{\partial z}{z' - z}$$

(generalization of the Prandtl equation). A comparison of the theoretical results with the experimental data shows a good agreement for $0.2 \leq \lambda \leq 1.5$.
The authors mention N.Ye. Zhukovskiy.
There are 13 figures, and 3 references, 1 of which is Soviet, and 2 German.

SUBMITTED: February 3, 1958

Card 2/2

POLYAKHOV, M.N.; PASTUKHOV, A.I.

Rectangular lifting surfaces. Vest.LGU 14 no.13:93-110 '59.
(MIRA 12:6)

(Airfoils)

ALEKSANDROV, A.D.; AKILOV, G.P.; ASHNEVITS, I.Ya.; VALLANDER, S.V.;
VLADIMIROV, D.A.; VULIKH, B.Z.; GABURIN, M.K.; KANTOROVICH, L.V.;
KOLBINA, L.I.; LOZINSKIY, S.M.; LADYZHENSKAYA, O.A.; LITNIK, Yu.V.;
LEBEDEV, N.A.; MIKHLIN, S.G.; MAKAROV, B.M.; NATANSON, I.P.;
NIKITIN, A.A.; POLYAKHOV, N.N.; PINSEER, A.G.; SMIRNOV, V.I.;
SAFRONOVA, G.P.; SMOLITSKIY, Kh.L.; FADDEYEV, D.K.

Grigoriï Mikhailovich Fikhtengol'ts; obituary. Vest. LGU 14 no.19:
158-159 '59. (MIRA 12:9)
(Fikhtengol'ts, Grigoriï Mikhailovich, 1888-1959)

PHASE BOOK EXPLOITATION

SOV/3745

Polyakhov, Nikolay Nikolayevich

Teoriya nestatsionarnykh dvizheniy nesushchey poverkhnosti (Theory of Nonuniform Motions of an Airfoil) [Leningrad] Izd-vo Leningradskogo univ., 1960. 82 p. Errata slip inserted. 1,900 copies printed.

Sponsoring Agency: Leningrad. Universitet.

Ed.: Ye.V. Shchemeleva; Tech. Ed.: Ye.G. Zhukova.

PURPOSE: This book is intended for specialists in hydroaerodynamics, engineers and technicians at scientific research institutes, and students and aspirants at schools of higher education.

COVERAGE: The book presents a systematic account of the theory of nonuniform motion of wings of both infinite and finite span in a noncompressible fluid. Some formulas and expressions and other data on the author's method are specified in the preface. The author relates in some detail the work done in the same field by Kirchhoff, Thomson, Tait, Prandtl and others. There are 25

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Theory of Nonuniform Motions of an Airfoil

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references: 14 Soviet (including 1 translation), 5 German, 4 English,
1 French, and 1 Italian.

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Theory of Nonuniform Motions of an Airfoil

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Ch. II. Theory of Nonuniform Motion of a Plate of Finite Span

12. Plate with constant circulation along span

66

13. Plate with variable circulation along span

75

References

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AVAILABLE: Library of Congress

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Card 3/3

BUKHARINOV, Georgiy Nikolayevich; GOLYARNOV, N.M., ed.;
MATVEYEVA, V.V., red.

[Kinematics of a point and an ideal solid body; methodological instructions no.2 in the course on theoretical mechanics (for 2d year correspondence students of state universities specializing in mathematics, mechanics and astronomy)] Kinematika tochki i absoliutno tverdogo tela; metodicheskie ukazaniia No.2 po kursu teoreticheskoi mekhaniki (dlia studentov II kursa zaocnogo obucheniia gosudarstvennykh universitetov po spetsial'nostiam; matematika, mekhanika i astronomiia). Leningrad, 1964. 56 p.
(MIRA 18:1)

NOVOSELOV, Viktor Sergeyevich; POLYAKHOV, N.N., otv. red.;
MATVEYEVA, V.V., red.

[Dynamics of a material system; methodological instructions
No.1 on the course of theoretical mechanics for third year
correspondence students of state universities specializing
in "Mathematics," "Mechanics" and "Astronomy"] Dinamika ma-
terial'noy sistemy; metodicheskie ukazaniya No.1 po kursu
teoreticheskoy mekhaniki dlya studentov III kursa zaочnogo
obucheniya gosudarstvennykh universitetov po spetsial'no-
stiam "Matematika," "Mekhanika," i "Astronomiya." Leningrad,
1964. 40 p. (MIRA 18:3)

1. Leningrad. Universitet. Otdel zaочnogo obucheniya.
Matematiko-mekhanicheskiy fakul'tet.

L 41399-06 FD(m)/EAT(1)/EAT(m)/T-2

ACC NR: AR6014917

SOURCE CODE: UR/0124/65/000/011/B032/B032

AUTHORS: Polyakhov, N. N.; Kholodilin, A. N.

TITLE: Theory of nonstationary motions of an airfoil of small elongation

SOURCE: Ref. zh. Mekhanika, Abs. 118202

REF SOURCE: Tr. Leningr. korablostroitel. in-ta, vyp. 45, 1964, 45-55

TOPIC TAGS: airfoil, airfoil characteristic, harmonic oscillation, lift coefficient, aerodynamic lift

ABSTRACT: The motion of an airfoil of small elongation with a forward velocity V_∞ performing small harmonic oscillations about the equilibrium position is considered. Formulas are derived for the lift coefficient C_y and the value $(\partial C_y / \partial \alpha) \alpha = 0$, where α is the angle of attack. Calculations are made, results of which are compared with the curve for an airfoil of infinite span calculated from Teodorsen's formula. Calculations are also made for the case of steady-state motion by various methods. The derived formula for C_y is in good agreement with the results of theoretical calculations and with experimental data for steady-state motion. It is noted that in the latter case the lift is greater than for nonstationary motion. The effect of instability increases with decreasing elongation. The lift decreases with increasing oscillation frequency. The possibility of applying the derived formula for the lift in calculations for ship roll dampers is noted. L. Pevzner

[Translation of abstract]

Card 1/1 SUB CODE: 20

NOVOSELOV, Viktor Sergeyevich; POLYAKHOV, N.N., otv. red.;
MATVEYEVA, V.V., red.

[Dynamics of material systems; methodological instructions No.4 on a course of theoretical mechanics for third-year correspondence students of State universities majoring in mathematics, mechanics, and astronomy] Dinamika material'noi sistemy; metodicheskie ukazaniia No.4 po kursu teoreticheskoi mekhaniki dlia studentov III kursa zaocnogo obucheniia gosudarstvennykh universitetov po spetsial'nostiam "Matematika," "Mekhanika" i "Astronomiia." Leningrad, Izd-vo Leningr. univ., 1964. 40 p. (MIRA 18:4)

1. Leningrad. Universitet. Otdel zaocnogo obucheniia. Matematiko-mekhanicheskiy fakul'tet.

NOVOSELOV, Viktor Sergeyevich; POLYAKHOV, N.N., stv. red.;
MATVEYEVA, V.V., red.

[Dynamics of a material point; methodological instructions no.3, on the course of theoretical mechanics for the third-year correspondence students in state universities with specialties "Mathematics," "Mechanics" and "Astronomy"] Dinamika material'noi toчки: metodicheskie ukazaniia No.3. po kursu teoreticheskoi mekhaniki dlia studentov III kursa zaочnogo obucheniia gosudarstvennykh universitetov po spetsial'nostiam "Matematika," "Mekhanika" i "Astronomiia." Leningrad, 1964. 33 p. (MIRA 17:9)

1. Leningrad. Universitet. Otdel zaочnogo obucheniia. Matematiko-mekhanicheskii fakul'tet.

POLYAKHOV, N.N.

Theory of a screw-shaped lifting surface. Vest. LGU 18 no.13:
92-105 '63. (MIRA 16:9)

(Aerodynamics)

BASIN, Abram Moiseyevich; MINIOVICH, Il'ya Yakovlevich; POLYAKHOV,
N.N., doktor tekhn. nauk, retsenzent; RUSETSKIY, A.A.,
Kand. tekhn. nauk, retsenzent; PERNIK, A.D., doktor tekhn.
nauk, nauchn. red.; OSVENSKAYA, A.A., red.; KONTOROVICH,
A.I., tekhn. red.; KOROVENKO, Yu.N., tekhn. red.

[Theory and design of propellers] Teoriia i raschet greb-
nykh vintov. Leningrad, Sudpromgiz, 1963. 759 p.
(MIRA 16:10)

(Propellers--Design and construction)

POLYAKHOV, N.N.

Effect of the stream curvature on the operation of a propeller blade.
Vest. LGU 27 no.1:134-141 '62. (MIRA 15:1)
(Propellers, Aerial--Aerodynamics)

POLYAKHOVA, Ye.N.

Sunlight pressure and the motion of artificial lunar satellites.
Bibl. Inst. teor. astron. 9 no. 6:440-447 '64. (MIRA 17:9)

ACCESSION NR: AT4001195

S/2511/63/009/001/0015/0045

AUTHOR: Polyakhova, Ye. N.

TITLE: Light pressure and motion of earth satellite

SOURCE: AN SSSR. Inst. teor. astron. Byulleten', v. 9, no. 1,
1963, 15-45

TOPIC TAGS: earth satellite orbit, earth satellite motion, artificial satellite orbit, artificial satellite orbit, earth satellite, artificial satellite, light pressure, sunlight pressure, satellite orbit

ABSTRACT: The principal papers devoted to the effects of light pressure from the sun on the motion of artificial earth satellites are reviewed. In spite of the smallness of the effect compared with the sun's or moon's gravitation, there are cases when the gravitation forces cancel out and then the resultant effect of the

Card 1/3

ACCESSION NR: AT4001195

light pressure on the satellite acceleration exceeds that due to the earth, so that the light pressure needs to be calculated. Particular attention is paid to the case of resonance, when large-amplitude long-period changes occur in the satellite motion. The changes in satellite motion due to light pressure are calculated by perturbation theory, and graphs are presented which make it possible to determine readily whether resonance exists for a wide range of satellite orbits, provided the orbit elements are known. The plots are calculated under the assumption that the earth's shadow effect can be neglected. The effect of light pressure on the motion of "Echo 1" is calculated by way of an example. Orbit evolution in the case of resonance and the lifetime of the satellite are also discussed. It is shown that perturbations due to light pressure affect greatly the motion of the satellite "Echo 1" even now and that in the future the problems connected with studies and allowances for the light pressure will become more numerous. "In conclusion I am grateful to Yu. V. Batrakov who reviewed the manuscript

Card 2/2

ACCESSION NR: AT4001195

and made many remarks. Orig. art. has: 20 figures, 52 formulas, and 6 tables.

ASSOCIATION: Inst. teor. astron. AN SSSR (Institute of Theoretical Astronomy AN SSSR)

SUBMITTED: 14Feb60

DATE ACQ: 25Nov63

ENCL: 00

SUB CODE: AS

NO REF SOV: 003

OTHER: 018

Card 3/3

PUMPYANSKI, R.; POLYAKHOVSKI, K. (Varshava)

DDT in therapy of colpitis caused by trichomonads; regarding articles by S.N.Radkov and Z.Vasserbauer in "Akusherstvo i ginekologiya" 1956. Nos. 2 and 5. Akush. i gin. 33 no.3:98-99 My-Je '57.
(MLRA 10:8)

(VAGINITIS, TRICHOMONAS, ther.

DDT (Rus))

(DIFF. ther. use

trichomonas vaginitis (Rus))

POLYAKIN, V. V.

6721. Effect of various substances on stomach movements. V. V. Polyakin *Veterinariia*, 1955, 11, 69-72; *Referat. Zh. Biol.*, 1956, 1957, No. 92102. — In six horses 10 or 20 l. of water at 10-44° 5% NaCl or 3% NaHCO₃ were introduced into the rectum, and the movements of the empty stomach were recorded by a balloon. A considerable increase in stomach movements was noticed, both at and after the moment of introducing these liquids. Soapy water had the same effect. Increasing the amount of water caused an increased reaction, particularly after all the water had been given. In pathological conditions in which there is a reduced tone of the musculature of the stomach, enemas are indicated; with raised tone they are contra-indicated. (Russian) H. ASHUR

PREOBRAZHENSKIY, N.M., dotsent; POLYAKIN, V.V., kandidat veterinarnykh nauk.

Prevention and therapy of atonia of the rumen in cattle. Veterinariia
32 no.5:73-77 My '55. (MIRA 8:7)

1. Moskovskaya veterinarnaya akademiya.
(STOMACH--DISEASES) (CATTLE--DISEASES AND PESTS)

KOTOV, S.S., doktor veterinarnykh nauk, POLYAKIN, V.V., kand.veterinarnykh nauk

Dispensary treatment as the most important factor in raising healthy livestock. Veterinariia 38 no.10:36-37 0 '61.
(MIRA 16:2)

1. Moskovskaya veterinarnaya akademiya.
(Lyubertsy District—Veterinary medicine)

FADDEYEV, L.A., prof.; PANYSHEVA, L.V., dots.; POLYAKIN, V.V., assistant

Classification of diseases of the forestomachs in cattle. Veteri-
nariia 36 no.2:67-70 F '59. (MIRA 12:2)

1. Moskovskaya veterinarnaya akademiya.
(Cattle--diseases and pests)

POLYAKIN, V. V. and KOTOV, S. S. (Candidate of Veterinary Sciences,
Moscow Veterinary Academy and Doctor of Veterinary Sciences)

"Dispensary service is an important factor in raising healthy herds"

Veterinariya, Vol. 38, no. 10, October 1961, pp. 36

POLYAKIN, V.V., kandidat veterinarnykh nauk.

Effect of certain stimulants on the motor function of the stomach.
Veterinariia 32 no.11:69-72 N '55. (MLRA 8:12)

1. Moskovskaya veterinarnaya akademiya.
(STOMACH) (REFLEXES) (VETERINARY PHYSIOLOGY)

1ST AND 2ND ORDER										3RD AND 4TH ORDER									
PROCESSES AND PROPERTIES INDEX																			
Gravimetric method of evaluating the groups of hydrocarbons in gasoline. <i>Ya. Polubina. Reference Khimicheskiy Zh., No. 8, 74(1986). Preliminary communication.</i> The app. consists of a series of gas-washing bottles. The system is first freed from O_2 by passing N_2, then a weighed amt. of gasoline (0.1-0.5 g.) is placed in a U-tube beyond which the N_2 gas holder and evapor. by the N_2 stream. The gasoline is carried through a soln. of Hg acetate to absorb the unsatd. compds., then through absorbers with solid $NaOH$, P_2O_5, and H_2SO_4 activated with $AgNO_3$. This acid solution absorbs the aromatic compds. without attacking naphthalene or satd. hydrocarbons. The vapors are passed through a tube in an electrically heated oven at 300°. The tube contains platinum catalyst. Six-carbon-ring naphthalenes are easily converted into aromatic hydrocarbons by splitting off H_2, while the five-carbon-ring naphthalenes and paraffin remain unchanged. The aromatic compds. formed from the naphthalenes are absorbed by H_2SO_4, while the unchanged naphthalenes and the paraffin are adsorbed by activated carbon. The H_2 is burned by passing through a tube heated to 300° and charged with CuO and cold. from the water absorbed by P_2O_5. A. A. Boekhtinsk										72									
										ASB-SEA METALLURGICAL LITERATURE CLASSIFICATION									
EDOM SYMBOLISM										EDOM SYMBOLISM									

L 13532-63 EPF(c)/EWP(q)/EWT(m)/BDS AFETC/ASD Pr-1 RM/WW/JD/JFW.
 ACCESSION NR: AT3002351 8/2932/62/001/002/0094/0100

AUTHOR: Polyakin, Yu. L.

TITLE: Foreknowledge of catalyst composition for the synthesis of higher hydrocarbons from the oxides of carbon and hydrogen

SOURCE: Kataliz v vysshney shkole; trudy* I Mezvuzovskogo soveshchaniya po katalizu, no. 1, pt. 2. Moscow, Izd-vo Mosk. univ., 1962, 94-100

TOPIC TAGS: hydrocarbon synthesis, catalyst, carbonyl, hydride, MgO, copper oxide

ABSTRACT: A catalyst can influence the synthesis of long chain hydrocarbons in two ways: creating the free radicals at the beginning of the process and affecting its development at the surface in the process of chain growth. If the catalyst is only an initiator of free radicals then the reaction synthesis will take place in a homogeneous-heterogeneous system. Catalysts useful in the synthesis under pressure may be useless at atmospheric pressure. If the catalyst influences the surface development of the chain, then the pressure will tend to show a much lesser effect on the reaction rate. Such a catalyst must also be active at atmospheric pressure. The process of formation of an active surface consists in the reduction of a mixture of an easily-reducible and a difficultly-reducible oxide. Metals with the incom-

Card 1/2

L 13532-63

ACCESSION NR: AT30:2351

plate d-shell possess the ability to attract additional electrons by means of accepting bonds, and are responsible in the formation of carbonyls and hydrides. Thus, the most active elements in the synthesis are the ones which have a completed d-shell and the highest density which will permit the small H-atoms to move from one atom to another. The introduction of several catalysts which are not in a composite mixture with each other creates various interphase limits and the catalyst becomes more stable. The catalysts which are only initiators of free radicals can be used in the synthesis of hydrocarbons only under pressure. The interphase limits must have uniform distribution of additives which either speed up the reduction as in this case of copper oxide, or slow down the reduction as in the case of MgO addition. The orig. art. has: 2 tables and 2 figures.

ASSOCIATION: Groznerskiy neftyanoy institut (Groznyy Petroleum Institute).

SUBMITTED: 00

DATE ACQ: 10Jun63

ENCL: 00

SUB CODE: CH

NO REF SOV: 007

OTHER: 001

Cord 2/2

POLYAKIN, Yu.L.; KACHMASOV, A.A.

Determination of molybdenum sulfide. Zav.lab. 29 no.7:307 '63.
(MIRA 16:8)

1. Dagestanskiy gosudarstvennyy universitet.
(Molybdenum sulfide)

L 13532-63 EPF(c)/EWP(q)/EWT(m)/BDS AFETG/ASD Pr-L RM/WW/JD/JFW.
 ACCESSION NR: AT3002351 S/2932/62/001/002/0094/0100

AUTHOR: Polyakin, Yu. L.

TITLE: Foreknowledge of catalyst composition for the synthesis of higher hydrocarbons from the oxides of carbon and hydrogen

SOURCE: Kataliz v vysshney shkole; trudy I Mezvuzovskogo soveshchaniya po katalizu, no. 1, pt. 2. Moscow, Izd-vo Mosk. univ., 1962, 94-100

TOPIC TAGS: hydrocarbon synthesis, catalyst, carbonyl, hydride, MgO, copper oxide

ABSTRACT: A catalyst can influence the synthesis of long chain hydrocarbons in two ways: creating the free radicals at the beginning of the process and affecting its development at the surface in the process of chain growth. If the catalyst is only an initiator of free radicals then the reaction synthesis will take place in a homogeneous-heterogeneous system. Catalysts useful in the synthesis under pressure may be useless at atmospheric pressure. If the catalyst influences the surface development of the chain, then the pressure will tend to show a much lesser effect on the reaction rate. Such a catalyst must also be active at atmospheric pressure. The process of formation of an active surface consists in the reduction of a mixture of an easily-reducible and a difficultly-reducible oxide. Metals with the incom-

Card 1/2

L 13532-63

ACCESSION NR: AT30/2351

plate d-shell possess the ability to attract additional electrons by means of accepting bonds, and are responsible in the formation of carbonyls and hydrides. Thus, the most active elements in the synthesis are the ones which have a completed d-shell and the highest density which will permit the small H-atoms to move from one atom to another. The introduction of several catalysts which are not in a composite mixture with each other creates various interphase limits and the catalyst becomes more stable. The catalysts which are only initiators of free radicals can be used in the synthesis of hydrocarbons only under pressure. The interphase limits must have uniform distribution of additives which either speed up the reduction as in this case of copper oxide, or slow down the reduction as in the case of MgO addition. The orig. art. has: 2 tables and 2 figures.

ASSOCIATION: Groznerskiy neftyanoy institut (Grozny'y Petroleum Institute).

SUBMITTED: 00

DATE ACQ: 10Jun63

ENCL: 00

SUB CODE: CH

NO REF SOV: 007

OTHER: 001

Cord 2/2

POLYAKIN, Yu.L.

Catalyst composition for the synthesis of hydrocarbons from carbon
and hydrogen oxides. Trudy Groz. neft. inst. no.17:27-57 '55.

(MIRA 11:5)

(Catalyst) (Hydrocarbons)

POLYAKIN, Yu.L.

Theory of the catalyst preparation for the synthesis of hydrocarbons
from carbon and hydrogen oxides. Trudy. Groz. nef. inst. no.17:
58-81 '55. (MIRA 11:5)

(Catalysts) (Hydrocarbons)

Polyakin, Yu. L.

2572.7 FORCAST OF THE COMPOSITION OF CATALYSTS FOR SYNTHESIS OF
HYDROCARBONS FROM CARBON MONOXIDE AND HYDROGEN. Polyakin, Yu. L. (Trud.
Grozny. Neft. Inst. (Proc. Grozny Petrol. Inst.), 1955, (17), 27-57) abstr. in
Ref. Zh. Khim. (Ref. J. Chem., Moscow), 1956, (14), 42716). Numerous
experimental and theoretical data are reviewed in support of the author's idea
that hydrocondensation of methylene radicals with carbon monoxide and
subsequent degradation are intermediate stages in the synthesis which take place
at the metal-oxide boundary. The author considers it an essential condition
for hydrocondensation that methylene and carbon monoxide should alternate at
distances corresponding to the hydrocarbon molecule that is forming, and
formulates the main requirements to be satisfied by the components of
synthesis catalysts. Optimum proportions of components are calculated so as
to ensure the greatest possible catalytic activity by having the extent of
interphase boundaries at a maximum. It is shown that the propositions advanced
explain numerous facts affecting catalysts for the synthesis of hydrocarbons
from carbon monoxide and hydrogen.

Chem

PM

POLYAKOV, A. A.

FLIT, S. M. - st. nauchn. sotr. i POLYAKOV, A. A. - kand. tekhn. nauk i
KUDRYAVTSEV, O. K. - o. st. nauchn. sotr. GUREVICH, L. V. - Kand. tekhn.
nauk KHRUNOV, N. P. - Kand. tekhn. nauk

Akademiya kommunal'nogo khozyaystva im. K. D. Pamyatnaya

Osnovnyye Meropriyatiya po Obespecheniyu Bezopasnosti Dvizheniya V Gorodakh
Page 79

SO: Collection of Annotations of Scientific Research Work on Construction, completed
in 1950.
Moscow, 1951

POLYAKO, A. M.

Feeding and Feeding Stuffs

Kundravý Machine-Tractor Station is helping collective farms establish a permanent feed supply. Korm. baza 3 No. 6, 1952.

9. Monthly List of Russian Accessions, Library of Congress, September 1952/1953, Uncl.

POLYAKOV, I.A., kandidat biologicheskikh nauk.

Second All-Union Conference on the History of Natural Science. Vest.AN
SSSR 23 no.6:85-95 Je '53. (MLRA 6:7)

(Science--Congresses)

POLYAKOV, A., komandir podrazdeleniya

Training in single-engine flights. Grazhd. av. 12 no.4:7-8

Ap '55.

(MLRA 8:9)

(Aeronautics--Study and teaching)

POLYAKOV, A., Geroy Sotsialisticheskogo Truda, komandir podrazdeleniya
polyarnoy aviatsii; SHAMES, A., shturman eskadril'i

Our objections to engineer. Grazhd.av. 20 no.5:23 My '63.
(MIRA 16:7)

(Airplanes--Fuel)

POLYAKOV, A.

From the Exhibition of the Leningrad Economic Council. Na stroi.
Ros. no.11:37 N '61. (MIRA 16:7)
(Moscow—Exhibitions)
(Leningrad Economic region—Construction equipment—Exhibitions)

POLYAKOV, A.

New television tower. Na stroi. Ros. no.6:3 of cover Je '61.

(MIRA 14:7)

(Moscow--Television--Transmitters and transmission)

POLYAKOV, A.A., uchitel'

I.P. Pavlov's teachings and their application to the theory and practice
of pedagogy. Est. v shkole no.4:28-38 J1-Ag '53. (MLRA 6:6)

1. Srednyaya shkola no. 1 goroda Petrovskaya Saratovskoy oblasti.
(Educational psychology)

POLYAKOV, A. A., NIKOLAYEVA, V. G., and ZIMIN, K. I.

"Research on the Composition of Gasoline From Zhirnoye Crude," Khim i Tekh
Top., No. 2, pp 23-26, 1956

Review 1071289

POLYAKOV, A.A., prof.; CHEPUROV, K.P., prof.; ARBUZOV, K.N., dotsent;
TRZHEVTSKAYA, T.A., mladshiy nauchnyy sotrudnik

Disinfecting seeds with nitrogen dioxide. Zashch. rast. ot vred.
1 bol. 5 no.4:38-39 Ap '60. (MIRA 13:9)
(Seeds--Disinfection) (Nitrogen oxides)

YUROVA, L.N.; KHROMOV, V.V.; MYRTSYMOVA, L.A.; POLYAKOV, A.A.; PETROVA, T.Ye.

Investigation of the performance of a proportional neutron
counter filled with boron trifluoride. Nek.vop.inzh.fiz.
no.3:65-73 '58. (MIRA 12:5)
(Neutrons--Measurement) (Nuclear counters)

24.6500

3 1153

S/058/62/000/004/034/160
A058/A101

AUTHORS: Yurova, L., Polyakov, A. A., Stepanov, S. B., Troyanskiy, V. B.

TITLE: Neutron diffusion length and moderation length in diphenyl and monoisopropyl diphenyl

PERIODICAL: Referativnyy zhurnal, Fizika, no. 4, 1962, 61, abstract 411461
(V sb. "Neytron. fizika". Moscow, Gosatomizdat, 1961, 192 - 197)

TEXT: The diffusion length of thermal neutrons was measured in diphenyl at $t = 35^\circ$, 85° and 130°C and in monoisopropyl diphenyl at $t = 20^\circ\text{C}$. Deviation from operating temperature did not exceed $\pm 2^\circ$. The following values of L were obtained: 4.77 ± 0.14 cm, 4.93 ± 0.08 cm and 5.47 ± 0.04 cm for diphenyl and 3.34 ± 0.31 cm for monoisopropyl diphenyl. The mean value of the transport cross section of hydrogen in noncrystalline matter that was calculated on the basis of these data and reduced to $t = 20^\circ\text{C}$ turned out to equal $\sigma_{tr}^H = 35.7 \pm 1.2$ barn. The age of fission neutrons τ_{fis} and of neutrons from a Po-Be source τ_{sou} was also measured in solid diphenyl ($t = 35^\circ\text{C}$) up to indium resonance. Measurements were carried out in a cylinder 40 cm in diameter and 90 cm in height placed in the thermal

Card 1/2

S/058/62/000/004/034/160
A058/A101

Neutron diffusion length and...

column of a reactor, the source of fission neutrons being an enriched uranium target-converter. Control measurements with the Po-Be source, carried out at different experimental geometries and cylinder sizes, showed that the distribution of resonance neutrons in diphenyl surrounded by graphite corresponds to the distribution in an infinite medium. It was found that $\tau_{fis} = 54.2 \pm 2.5 \text{ cm}^2$ and $\tau_{sou} = 106.5 \pm 6.8 \text{ cm}^2$. At the same time, measured values of neutron age appreciably exceed calculated values.

S. Zaritskiy

[Abstracter's note: Complete translation]

Card 2/2

33237

S/089/62/012/002/009/013

B102/B138

26.2241

AUTHORS: Yurova, L. N., Polyakov, A. A., Ignatov, A. A.

TITLE: New measurements of U^{235} fission neutron age in hydrogen-containing substances

PERIODICAL: Atomnaya energiya, v. 12, no. 2, 1962, 151 - 152

TEXT: The distributions of 1.46-ev neutrons as a result of slowing down U^{235} fission neutrons in H_2O and $C_{15}H_{16}$ were measured for two source thicknesses: 0.3 and 1.8 mm. An indium detector was placed in a stainless-steel tank in the thermal column of the reactor for measuring the age of neutrons slowed down in $C_{15}H_{16}$. A highly enriched uranium metal target converting fast fission neutrons into thermal neutrons was the neutron source. The neutron distribution was determined by two targets, one at the end of a 150 mm long aluminum tube, the other 120 mm from the bottom of the tank for control measurements, which showed that the aluminum tube did not distort distribution. On the outside of the tank bottom another target was

Card 1/2

IGLYANOV, A. I.

"Disinfection in Foot-and-Mouth disease". Veterinariya, 1942, No 12.

POLYAKOV, A. A.

Cand. Vet. Sci.

"Disinfection of the Objects of Care and Equipment for Horses," Veterinariya,
20, No.2, 1943

POLYAKOV, A. A.

POLYAKOV, A. A. (Candidate of Veterinary Sciences, Central Scientific Practical Veterinary Disinfection Laboratory, Peoples' Commissariat for Agriculture, USSR)
Preservation of chlorine in calcium hypochlorate solution and its bactericidal properties.

So: Veterinariya; 22; (2-3); February/March 1945; Uncl.
TABCON

POLYAKOV, A. A.

POLYAKOV, A. A. (Candidate of Veterinary Sciences) On disinfection in tuberculosis of animals.

So: Veterinariya; 23; (12); December 1946; Uncl.
TABCON

POLYAKOV, A. A.

"About the optimal conditions of the utilization of disinfecting agents."

SO: Veterinariia 24(6), 1947, p. 23.

POLYAKOV, A. A. = author of "Disinfection in Hog Cholera".

SO: Veterinariya, Vol. 24, No. 8: 39-41, August, 1947 Uncl

Line

Trans. VI (in full) by L. Dulich

POLYAKOV, A. A.

PA 67T77

USSR/Medicine - Veterinary Medicine Feb 1948
Medicine - Disinfection and Disinfectants

"New Measures in Veterinary Disinfection," Prof A.
A. Polyakov, Dr Vet Sci, 4 pp

"Veterin" No 2, pp #s 38-41

Soviet veterinarians have been given the task of improving methods for disinfection. Their attempts are in keeping with two guiding principles: 1) determine methods to eradicate pathogenic sources of infection, and of helminths, and 2) protect the person who has to come in contact with infected material. Briefly describes some of the new techniques developed in attempt to fulfill these guiding principles.

67T77

POLYAKOV, A. A., Prof

PA 31/49T88

USSR/Medicine - Epidemiology
Medicine - Epizootic Diseases

Jul 48

"The Use of 'Czechoslovakian Holes' for the
Disposal of Infectious Animal Corpses," Prof A. A.
Polyakov, Dr Vet Sci, N. V. Krestnikov, Engr, 2 pp

"Veterinariya" No 7

Describes construction of holes in detail with
sketches. Dimensions 3 x 3 x 10 meters. They
are lined with brick or wood. Accessibility of
air results in high temperature, due to decompo-
sition of corpse. This ensures destruction of
even the most resistant microbes, e.g., anthrax
spores.

31/49T88

BRANCHAN, Z.E.; POLYAKOV, A.A.
Scientific Research Veterinarno-Sanitary Laboratory,
City Vet. Dept., Moscow City Executive Committee
"Disinfection of goat hair with steam in the
Krupin's system chamber."
SO: Vet. 26 (4) 1949, p. 35

POLYAKOV, A. A. Prof.

PA 67/49T85

USSR/Medicine - Brucellosis
Disinfection

May 49

"Effect of Disinfection in the Fight Against Brucellosis," Prof A. A. Polyakov, Dr Vet Sci, 3 $\frac{1}{2}$ pp

"Vet" No 5

Disinfection is stated to be one of most important factors in eliminating brucellosis. First step is cleanliness. Discusses methods and preparations for disinfecting the premises, soil, manure, utensils and workers' overalls. Final step is complete disinfection of the farm by thorough cleaning and chemical preparations after the disease has been eliminated.

67/49T85

POLYAKOV, A. A.

36810. Priblizh' propagandy veterinarnykh znaniy k zaprosam zhivotnovodstva.
Veterinariya, 1949, No. 12, c. 4-7

SO: Letopis' Zhurnal'nykh Statey, Vol. 50, Moskva, 1949

IOLYAROV, A. A.

"The Destruction of Brucella in Sandy Soil by the Action of Disinfectants",
Trudy Mosk Vet Akade ii, Issue 7, pp 127-151, 1950.

POBMANOT, A. A. (Prof.)

Reviewed the book of H. H. Gleser, Doctor, Department of
epizootiology, Kairi State University, and H. H. Gleser, entitled "The
Technique of Veterinary Infection."

SO: Veterinariya, 27, No. 7: 22-23, July 1950

Encl

1.e

Trans. 251 by L. Lulich

POLYAKOV, A.A., Prof., Dr. of Vet. Sciences

"The theory and practice of veterinary disinfection."

SO: Vet. 27 (8) 1950, p. 30

POLIAKOV, A.A., Prof., Dr. of Vet. Sci.

"The achievements of science and the tasks of practical
veterinary disinfection."

SO: Veterinariia 28(7), 1951, p. 28

KOROPOV, V. M.; POLYAKOV, A. A., Prof., Dr. of Vet. Sci.

"First volume of the Veterinary Encyclopedia Dictionary."

SO: Veterinariia 28(8), 1951, p. 62

POLYAKOV, A. A.

"Neutralization of Animal Quarters".

Moscow. Sel'khozgiz. 1952.

SO: Vet., Nov. 1952, Unclassified.

Book designed for junior veterinary assistants and veterinary sanitarians
The book describes the methods of neutralization of animal quarters, and its
special section describes the methods of destruction of harmful insects and
rodents which are transmitters of contagious diseases of animals, men and
fowl.

POLYAKOV, A.

MAL'TSEV, T. S.

Experimentation leads to science. T. S. Mal'tsev, reviewed by A. Polyakov. Sov. agron. 10 No. 8 (1952)

9. Monthly List of Russian Accessions, Library of Congress, September 1952-1953, Uncl.

POLYAKOV, A. I., Editor-in-Chief

W/5

64°.32

.F7

Veterinarnaya dezinfektsiya, dezinseksiya i sanitariya (Veterinary Disinfection, Disinfestation and Sanitation) Moskva, Sel'khozgiz, 1953.

239 p. diagrs., graphs, tables (Russia. Ministerstvo Sel'skogo Khozyaystva i Zagotovok. Trudy vyp. 5)

At head of title: Ministerstvo Sel'skogo khozyaystva i zagotovok SSSR.
Vsesoyuznaya nauchno issledovatel'skaya
Laboratoriya veterinarnoy sanitarii i
Dezinfektsii.

POLYAKOV, A.A.

Sanitation measures in the control of foot-and-mouth disease.
Veterinariia 30 no.1:49-54 Ja '53. (MLRA 6:1)